Wireless N Adapter RNX-N250UB

Quick Installation Guide

About This Guide

This Quick Installation Guide only provides you some basic configuration instructions. For more detailed information, please refer to the Wireless Network Adapter User Manual.

Before you begin, you must check the following minimum system requirements

- A notebook /desktop pc with an available USB port
- At least a 300MHz processor and 32MB of memory
- An 802.11n、802.11g or 802.11b Access Point (for infrastructure Mode) or another 802.11n、802.11g or 802.11b wireless adapter (for Ad-Hoc; Peer-to-Peer networking mode.)

Package Contents

Open the package carefully, and make sure that none of the items listed below are missing. Do not discard the packing materials, in case of return; the unit must be shipped in its original package.

- One Wireless LAN USB Adapter
- One CD-ROM with Drivers and User's Manual Included
- One Quick Installation Guide

1.3 USB Adapter Description

The USB adapter is a standard USB adapter that fits into any USB interface.

Installation Guide

Before You Begin

Note: WiFi Alliance certification recommends WPA2 AES to be the security mechanism under 11N mode. System driver will automatically bring down wireless data rate to 54Mbps if other security method such as WEP or WPA is used under 11n mode.

If your 11N router is using security mechanism other than WPA2 AES, you are recommended to disable security setting or change it to WPA2 AES to fully utilize 11N capability. This policy has no effect if connecting with b/g only wireless access point.

During the installation, XP may need to copy systems files from its installation CD. Therefore, you may need a copy of the Windows installation CD at hand before installing the drivers. On many systems, instead of a CD, the necessary installation files are archived on the hard disk in C:\WINDOWS \OPTIONS\CABS directory.

Installing the Drivers for XP, Vista, and Win7

Follow the steps below in order to install the USB adapter drivers:

1. Insert the CD-ROM that was provided to you in this package. The setup should run automatically. If the setup does not run automatically, then must manually select the **setup.exe** file from the CD-ROM drive.

Figure 2-1

2. Click on **Windows Driver** to start the install process. Once the setup begins you will see the **InstallShield Wizard**. Select **Install driver and Rosewill WLAN Utility** and then click on the **Next>** button.

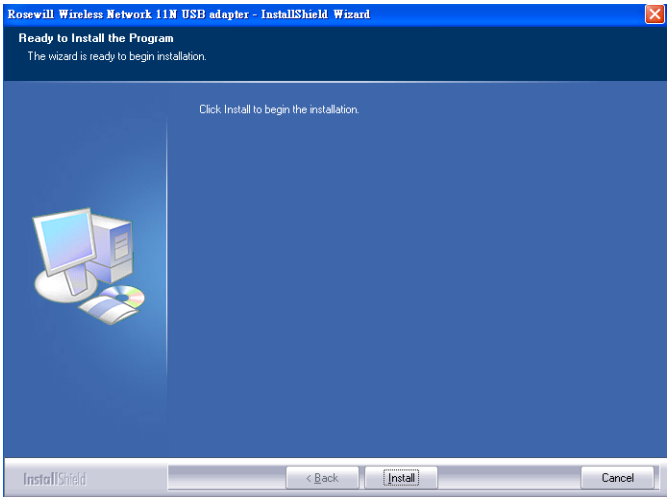

Rosewill Wireless Network 11N USB adapter - InstallShield Wizard
Ready to Install the Program
The wizard is ready to begin installation.
Click Install to begin the installation.
InstallShield
< Back
Install
Cancel

Figure 2-2

3. Wait for a few seconds until the driver and client utility is installed.

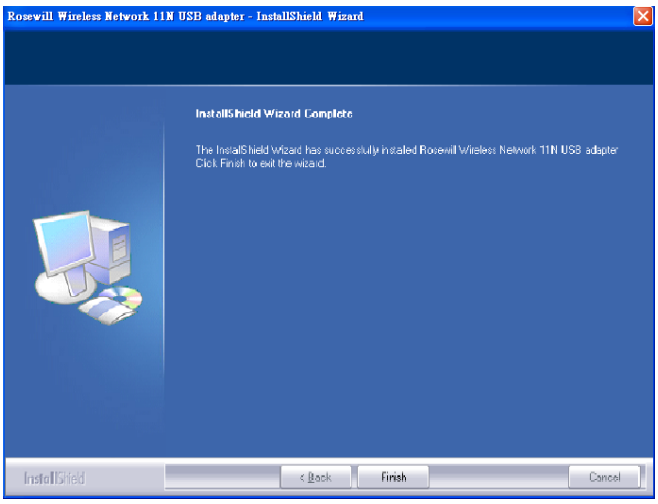

Rosewill Wireless Network 11N USB adapter - InstallShield Wizard
InstallShield Wizard Complete
The InstallShield Wizard has successfully installed Rosewill Wireless Network 11N USB adapter. Click Finish to exit the wizard.
InstallShield
< Back
Finish
Cancel

Figure 2-3

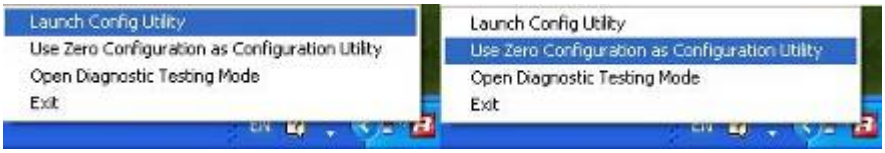
4. The installation is complete. Click on the **Finish** button.
5. Carefully insert the USB adapter into the USB port. Windows will then detect and install the new hardware.

Figure 2-4

6. A icon will then appear in the system tray. Right click on the icon and then click on **Launch Config Utility**.

Note: Click on **Use Zero Configuration as Configuration Utility** if you would like to use Windows Zero Configuration (XP only feature).

Vista



XP

Installing the Drivers for Mac OS X

Follow the steps below in order to install the USB adapter drivers:

1. Insert the CD-ROM that was provided to you in this package. The setup should run automatically. If the setup does not run automatically, then you must manually select the **setup** file from the CD-ROM drive.

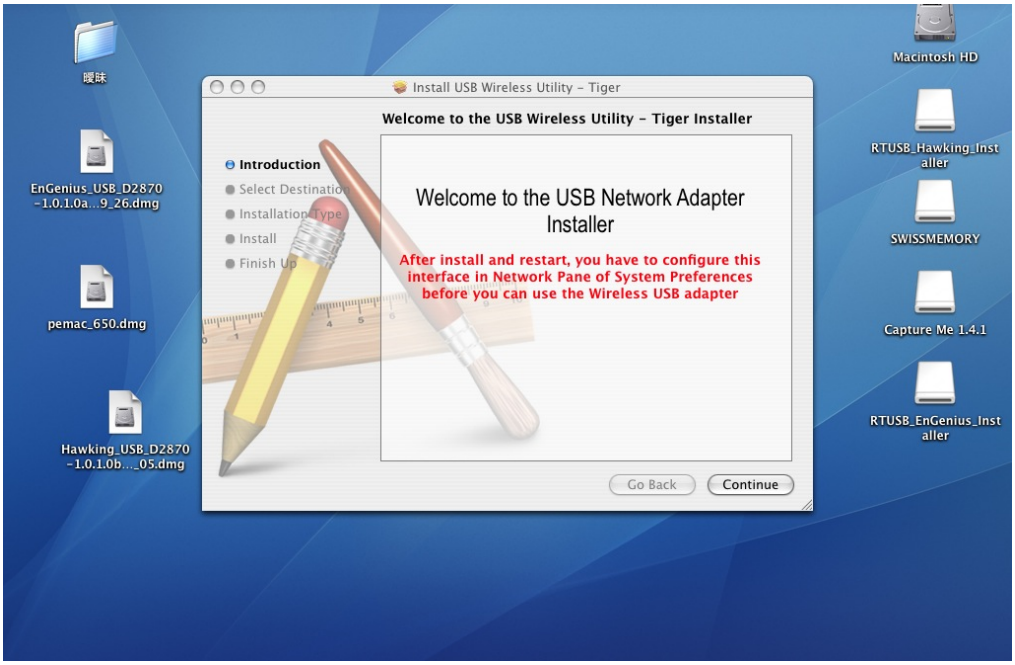


Figure 2-5

2. Click on the **Continue** button to configure the next step.

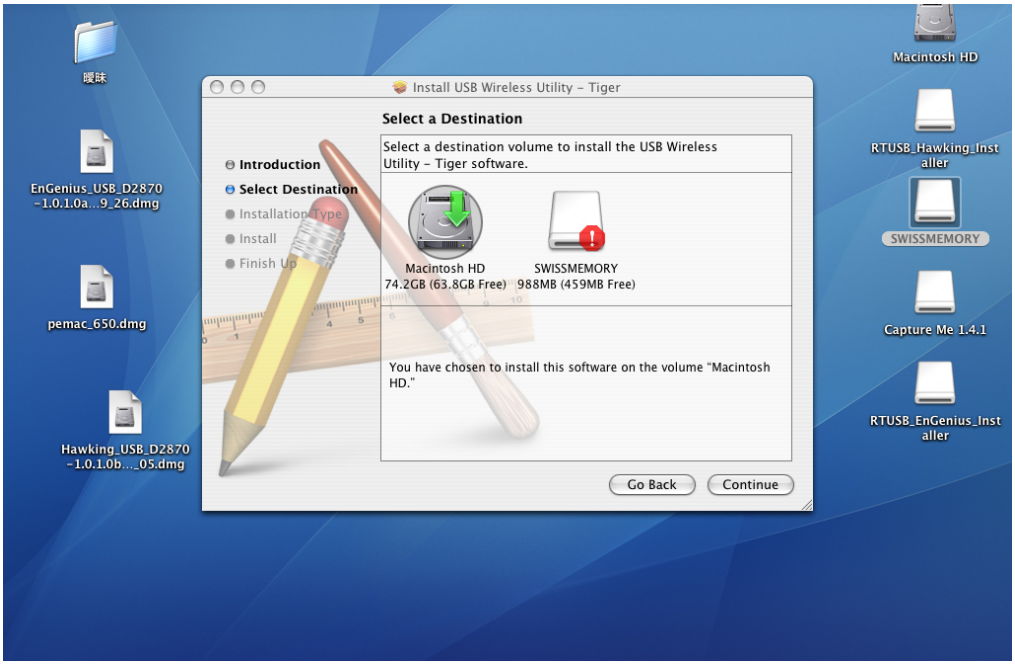


Figure 2-6

3. Select the **Macintosh HD** and then click on the **Continue** button.

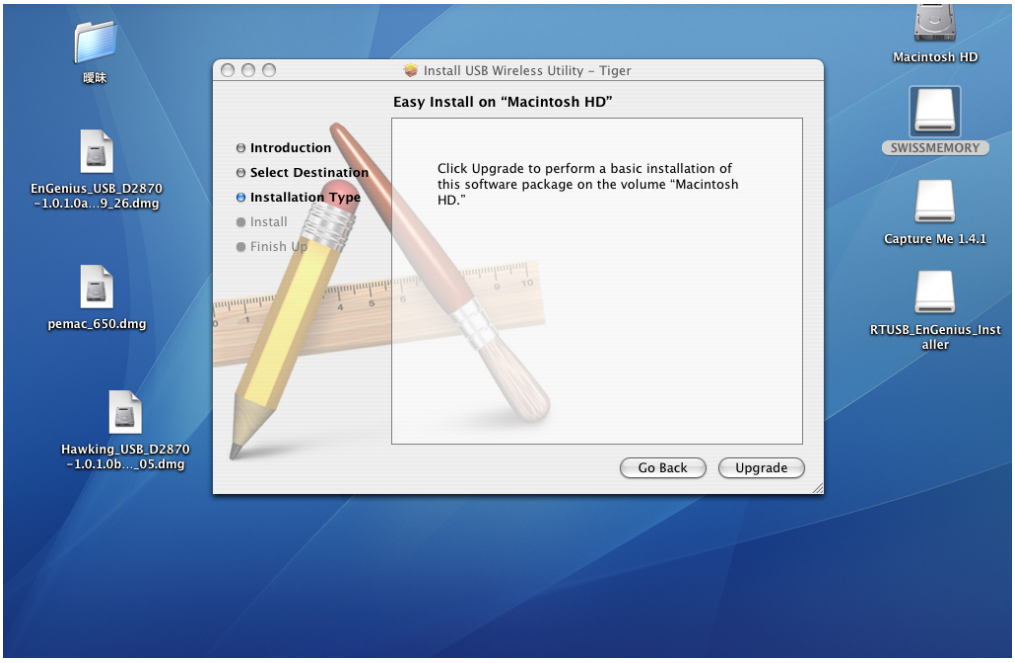


Figure 2-7

4. Click on the **Continue** button to configure the next step.

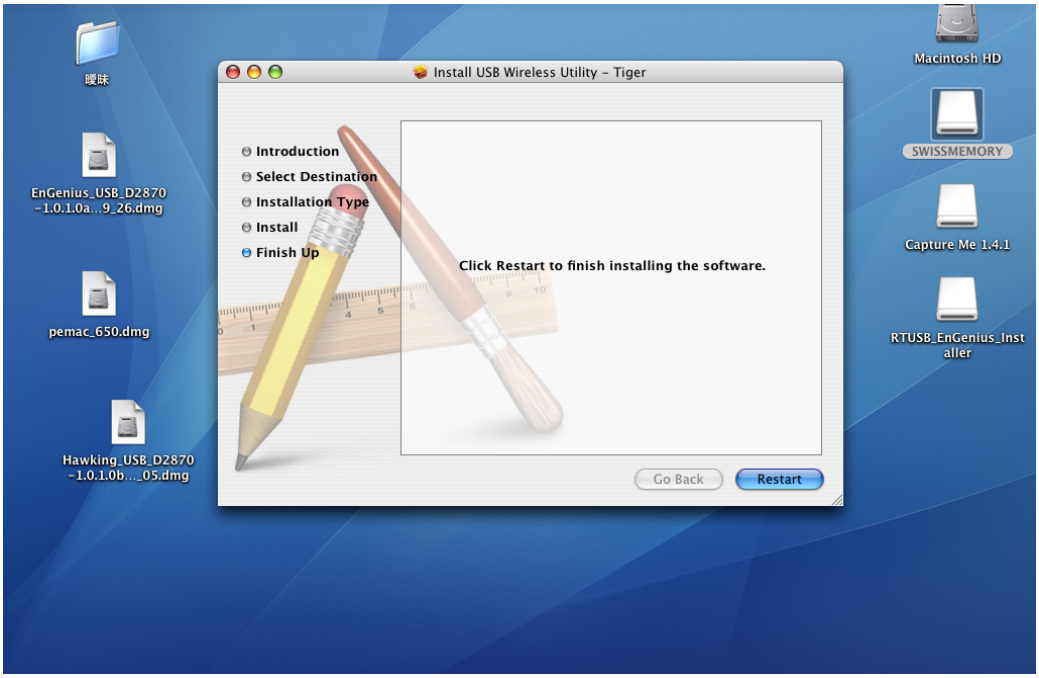


Figure 2-8

5. The installation is complete. Click on the **Restart** button.
6. Carefully insert the USB adapter into the USB port. MAC OS X will then detect and install the new hardware.
7. The Client Utility is installed in the **Applications** folder.

Uninstall the Drivers & Client Utility

If the USB client adapter installation is unsuccessful for any reason, the best way to solve the problem may be to completely uninstall the USB adapter and its utility and repeat the installation procedure again.

Follow the steps below in order to uninstall the client utility:

1. Click on **Start** > **Rosewill Wireless** > **Uninstall Rosewill Wireless USB Adapter**

Figure 2-9

2. The un-installation process will then begin.

InstallShield Wizard
Rosewill Wireless Network 11N USB adapter Setup is preparing the InstallShield Wizard, which will guide you through the rest of the setup process. Please wait.
Cancel

Figure 2-10

3. Click on the **Yes** button to confirm the un-installation process and then click on the **Next** button.

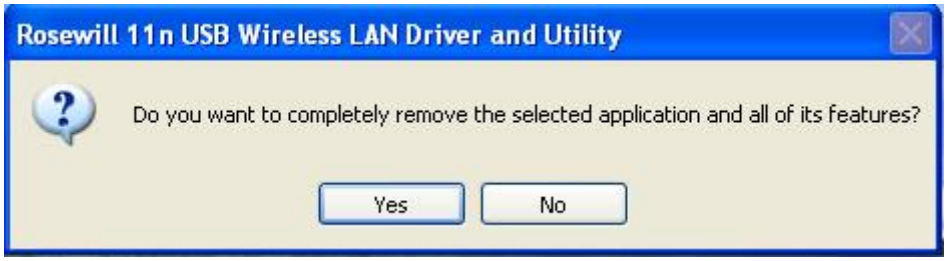

Rosewill 11n USB Wireless LAN Driver and Utility
Do you want to completely remove the selected application and all of its features?
Yes
No

Figure 2-11

Figure 2-12

4. The un-installation process is complete. Select **Yes, I want to restart my computer now** radio button and then click on the Finish button. Then remove the USB adapter.

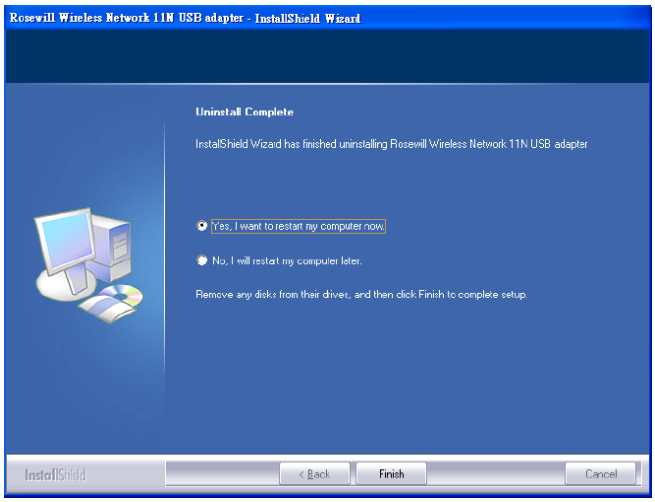

Rosewill Wireless Network 11N USB adapter - InstallShield Wizard
Uninstall Complete
InstallShield Wizard has finished uninstalling Rosewill Wireless Network 11N USB adapter
Yes, I want to restart my computer now.
No, I will restart my computer later.
Remove any disks from their drives, and then click Finish to complete setup.
InstallShield
< Back
Finish
Cancel

Figure 2-13

Connection Guide

Connecting with Microsoft Zero Configuration (XP only)

1. After specifying the Microsoft **Zero Configuration tool** to configure your wireless network, right click on the icon on system tray as below. Select "**View available wireless Networks**" to specify your wireless network.

Figure 3-1

2. The tool shows the available wireless networks. Select your network SSID to connect with like **Figure 3-2**.

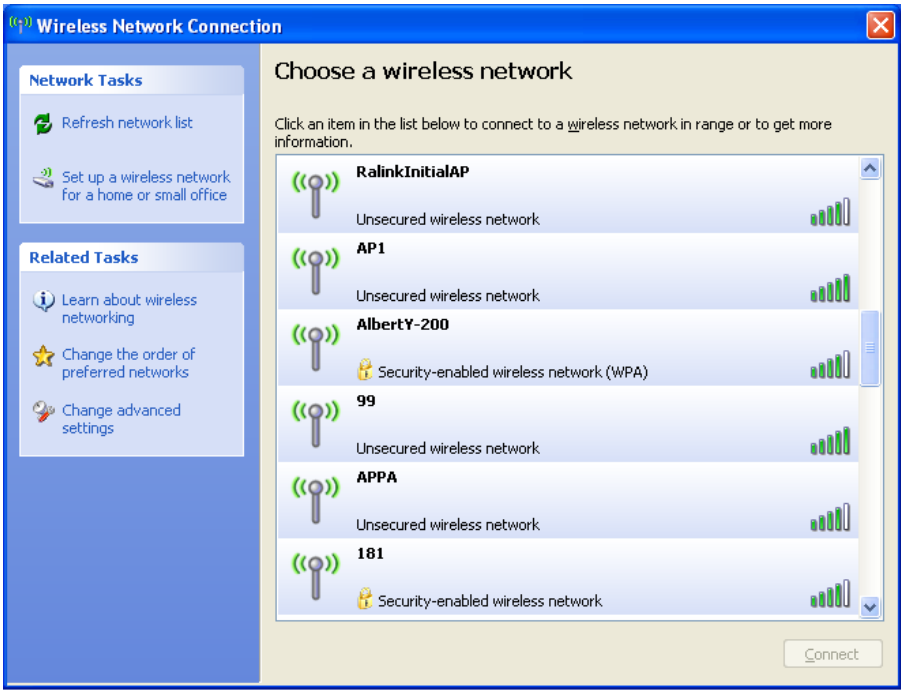


Figure3-2

3. If your wireless Network has encryption enable, you will be ask to enter the password like **Figure 3-3**. Please enter your wireless password at "**Network key**" section twice and click "**Connect**" to confirm.

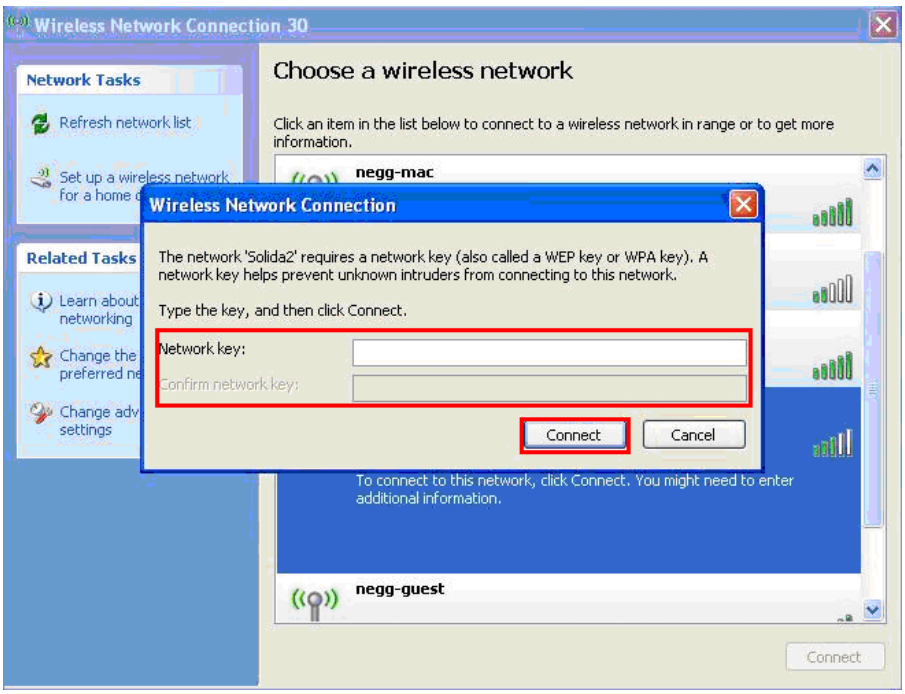

Wireless Network Connection 30
Network Tasks
Refresh network list
Set up a wireless network for a home
Related Tasks
Learn about networking
Change the preferred ne
Change adv settings
Choose a wireless network
Click an item in the list below to connect to a wireless network in range or to get more information.
negg-mac
Wireless Network Connection
The network 'Solida2' requires a network key (also called a WEP key or WPA key). A network key helps prevent unknown intruders from connecting to this network.
Type the key, and then click Connect.
Network key:
Confirm network key:
Connect
Cancel
To connect to this network, click Connect. You might need to enter additional information.
negg-guest
Connect

Figure 3-3

4. If your wireless Network does not contains encryption, select the intended access point and click "**Connect**". Then click "**Connect Anyway**" like Figure 3-4

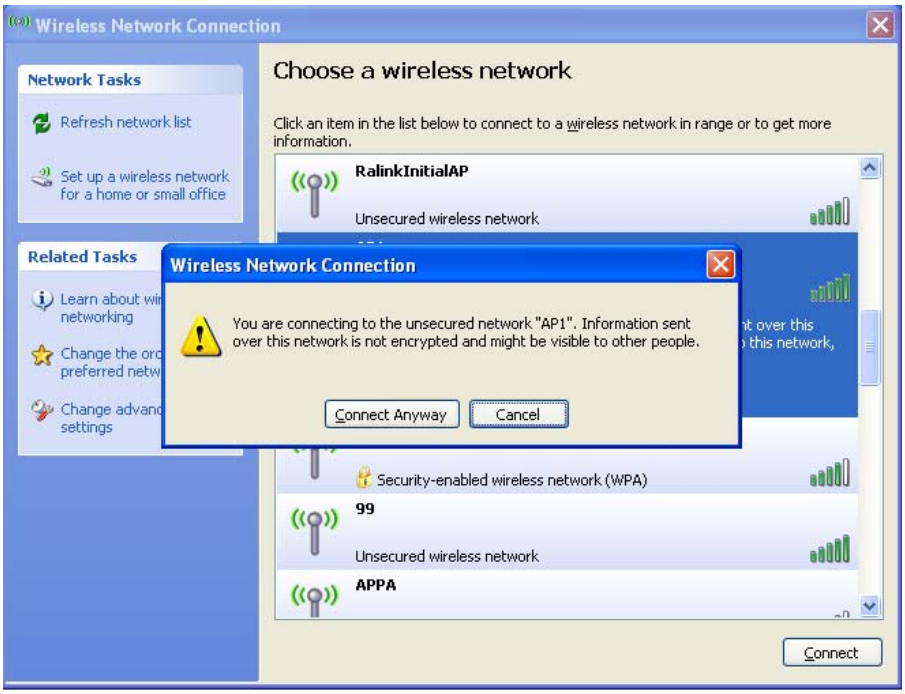

Wireless Network Connection
Network Tasks
Refresh network list
Set up a wireless network for a home or small office
Related Tasks
Learn about wi networking
Change the orc preferred netw
Change advanc settings
Choose a wireless network
Click an item in the list below to connect to a wireless network in range or to get more information.
RalinkInitialAP
Unsecured wireless network
Wireless Network Connection
You are connecting to the unsecured network "AP1". Information sent over this network is not encrypted and might be visible to other people.
Connect Anyway
Cancel
Security-enabled wireless network (WPA)
99
Unsecured wireless network
APPA
Connect

Figure 3-4

5. Once completed, you should see like **Figure 3-5** as your computer is now "**Connected**" with your wireless Network.

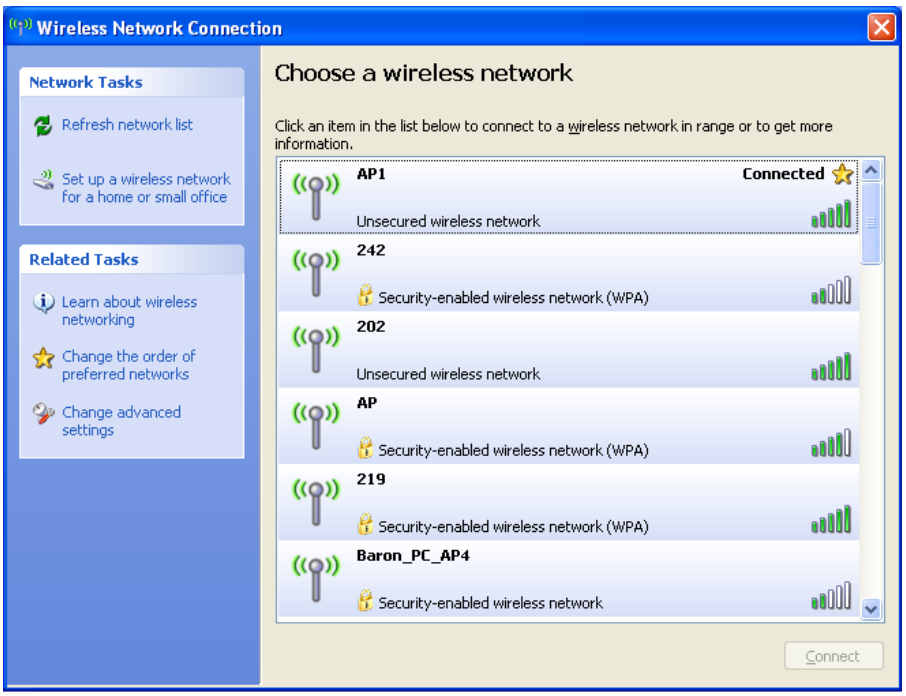


Figure 3-5

6. You should see the pop-up window on your low right hand corner indicate the connected status. As shown in **Figure 3-6**

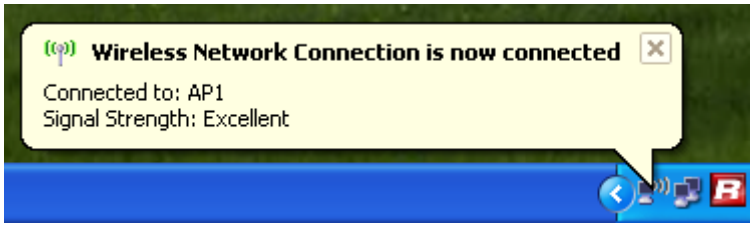


Figure 3-6

Connecting through Rosewill Utility

We provide this utility for users to connect to a wireless network easily. It provides more information and configuration for this adapter. As default, the utility is started automatically upon starting your computer and connects to a connectable wireless network with best signal strength. Please refer to the following chapters to get information regarding to the functions of this utility.

Clicking the Rosewill icon on your desktop will bring up the utility main window. Users can find the surrounding AP signal in the list. The currently connected AP will be shown with a blue icon beside it, as shown in **Figure 3-7**. You can use the advanced tab to configure other advanced features provided by Rosewill's wireless NIC. For details on configuring the advanced features, please check with **Chapter 5**.

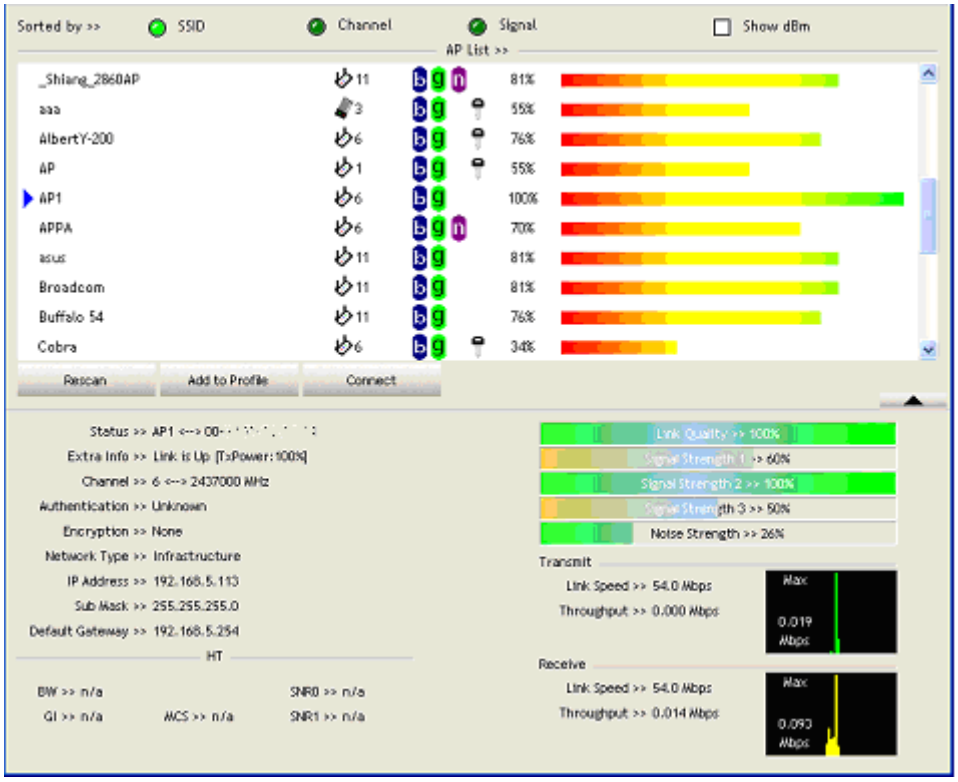


Figure 3-7

Steps to add wireless signal with Rosewill Utility for one time use

This section will lead you to link your wireless signal with your RNX-N250UB. Please follow the **Figure 3-8** in adding the signal.

i. Click "**Rescan**" : Click on Rescan to search for all wireless signals near you.

ii. Select your **desire SSID**: Click to select your wireless signal, in this example, you can see ▶ next to AP1; meaning we have select AP1 as our desired SSID.

iii. Click "**Add to Profile**" or "**Connect**" :

1. **Add to Profile**: This part will help your wireless adapter memorize the signal and password for your future use. Please see **Next Section** for more detail.
2. **Connect:** This is when you are in locations where you do not need your adapter to remember the signal.

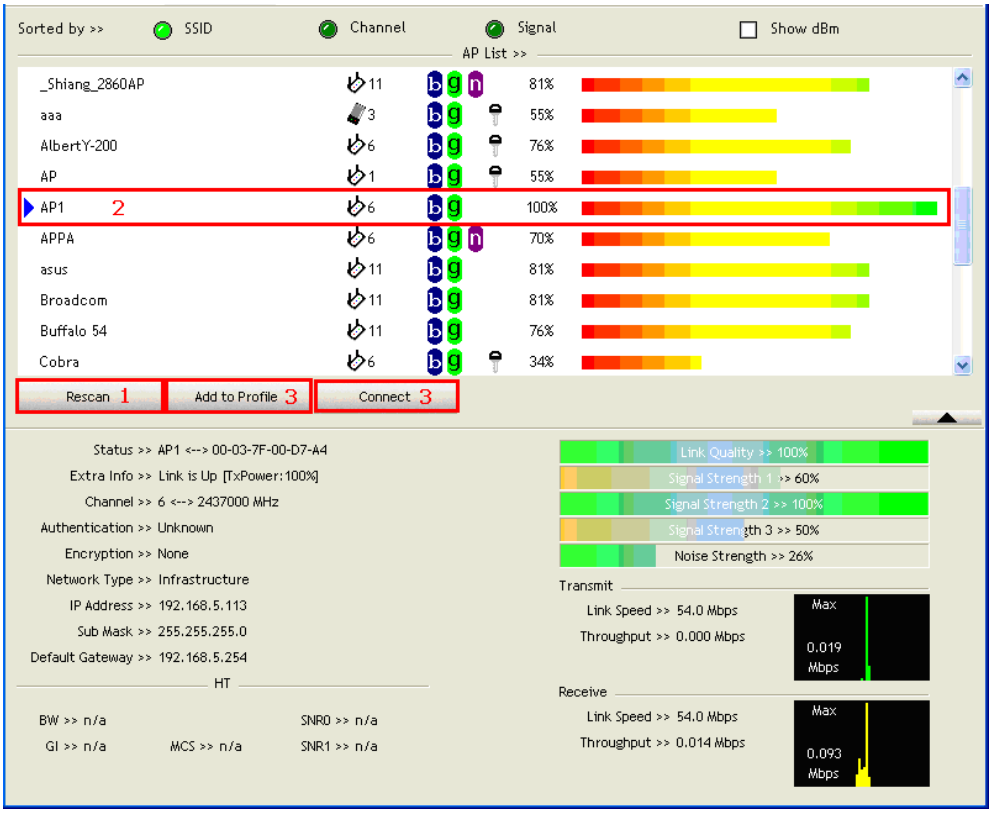


Figure 3-8

Steps to add wireless signal into Profile and keep for future record

Add to profile will help to store your wireless signal's information with your RNX-N250UB. Please follow the **Figure 3-9** to add the signal into your profile so you don't have to enter them in the future.

There are two ways to "**Add to Profile**". You can add through Network

tab or add through

tab.

- **Adding to Profile through Network Tab. (Figure 4-10):**
  1. First select "**Add to Profile**"
  2. Choose the SSID you want to connect to. eg: **Rosewill-1.**
  3. Key in your desired Profile Name, eg, HOME.
  4. Or you can choose SSID with the pull-down window.
  5. When complete, please select "**Auth.\ Encry**" to enter your password.

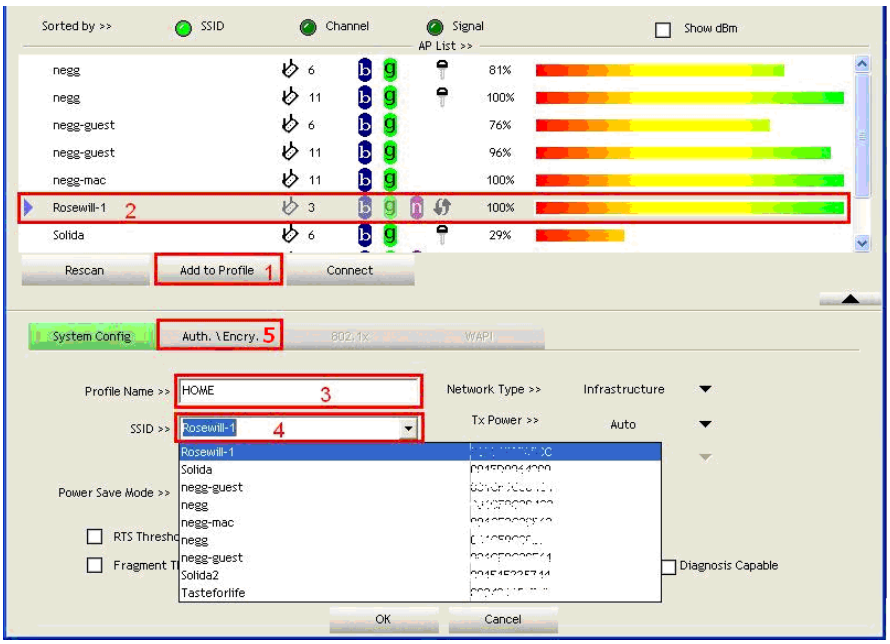


Figure 3-9

6. In Auth.\Encry., First select Authentication of your wireless signal, Like **Figure 3-10**
7. Enter your Wireless Network's password.

Click **OK** to complete the process.

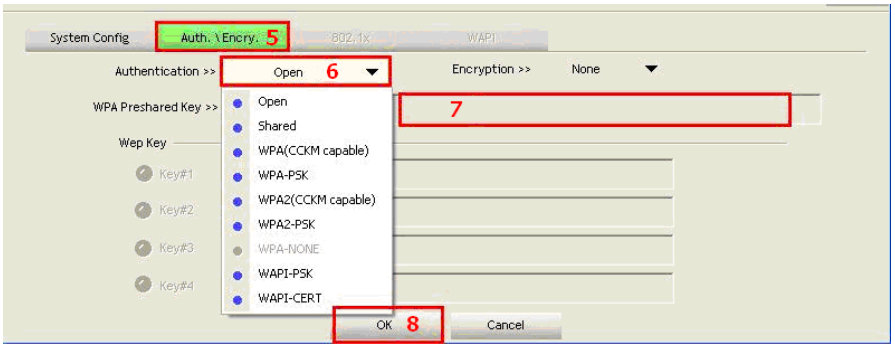


Figure 3-10

Note: you could also add a new profile quickly by selecting an available network in the "**Network**" function then press the **"Add to Profile"** button.

- **Adding to Profile through Profile Tab. (Figure 3-11)**:

1. First select "**Add**"
2. Key in your desired Profile Name, eg, HOME.
3. Choose the SSID by selecting the pull-down window.
4. When complete, please select "**Auth.\ Encry**" to enter your password.

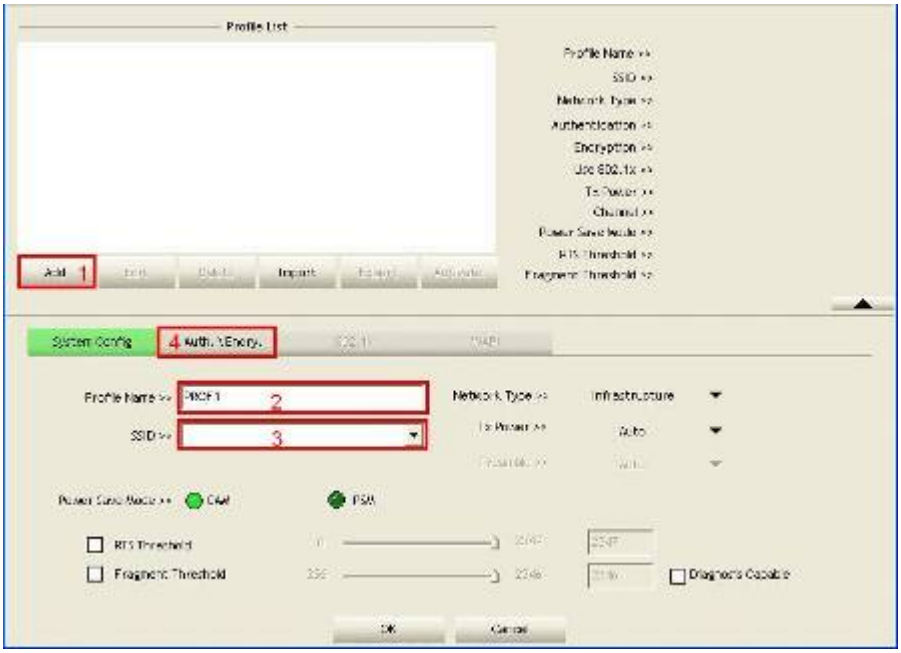


Figure 3-11

5. In Auth.\Encry. Like **Figure 3-12**
6. First select Authentication of your wireless signal. This should automatically provided to you when select your desired SSID.
7. Enter your password.
8. Click **OK** to complete the process.

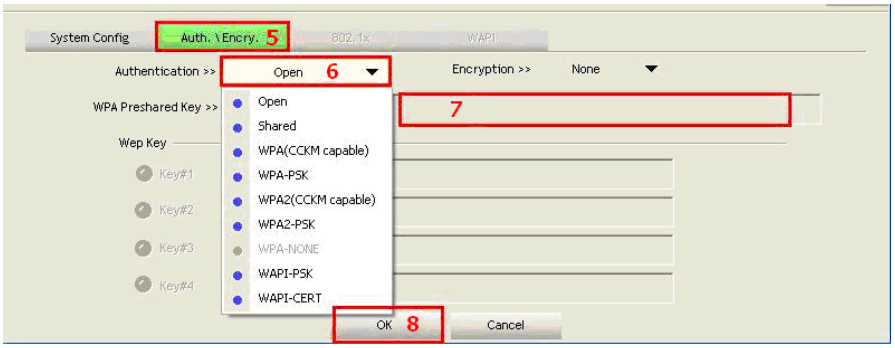


Figure 3-12

Connecting with Mac OS

The Connection Utility can also help you connect through Mac OS.

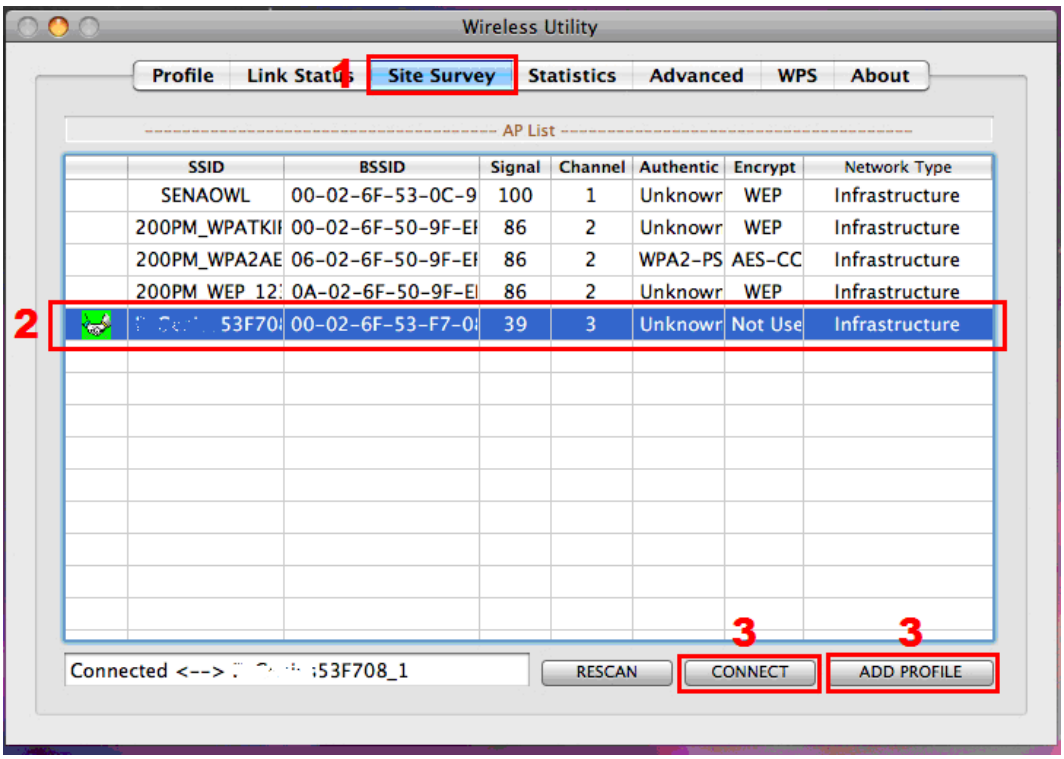


Figure 3-13

1. Upon opening the **Wireless Utility** program, first click open "**Site Survey**"
2. Select your desired AP signal under the AP List. You can further search the signal by clicking "**RESCAN**"
3. After selecting the AP signal, you can select either "**CONNECT**" or "**ADD PROFILE**"
   - CONNECT: This is for connecting only once which best use for places other than your regular use areas such as coffee shop, libraries, and etc.
   - ADD PROFILE: This is for adding the signal into your most common use list. Once wireless adapter plug-in, the utility will automatically connect to the profile.

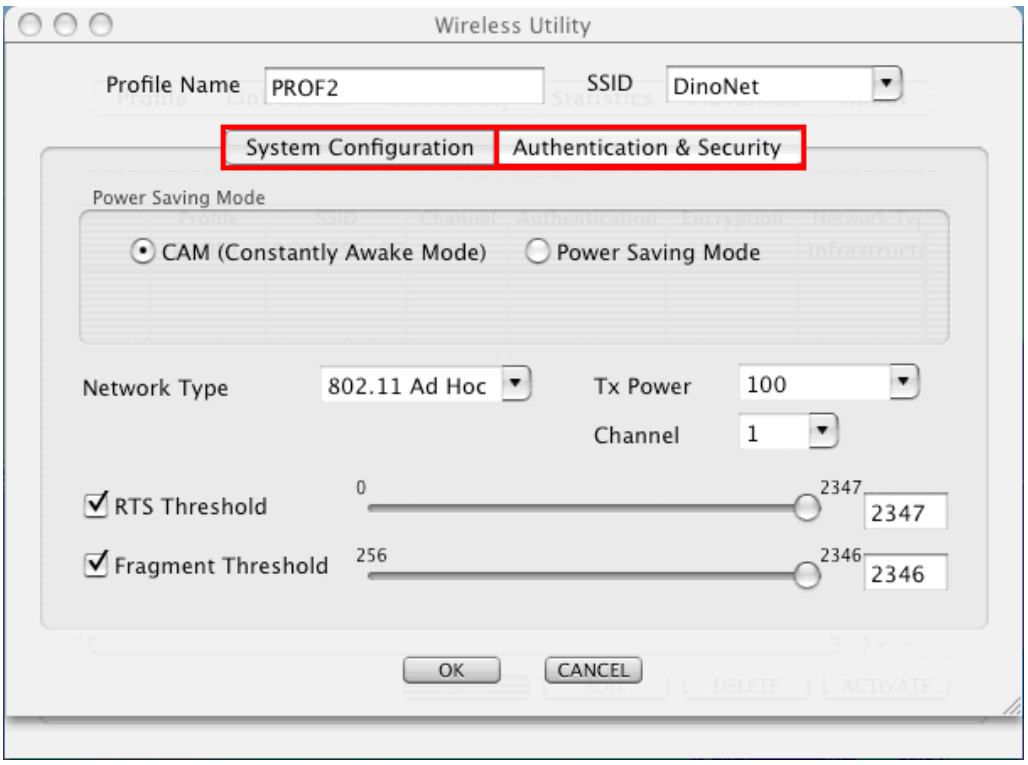


Figure 3-14

4. Once click Profile, you will be prompt to ask for your personal settings such as "**System Configuration**" and "**Authentication & Security**".
   - You have the choice to select "**Authentication & Security**" and enter the password for connecting to the signal.

Please make sure that your settings for Authentication & Security are the same as your Wireless Router's setting

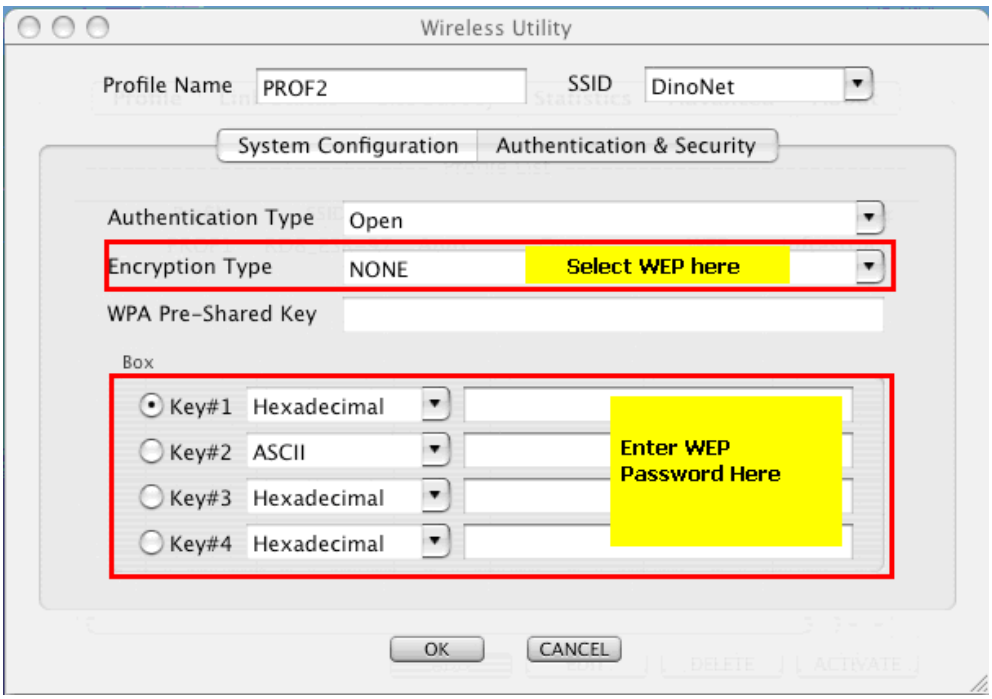


Figure 3-15

5. For **WEP**, Select **Open** or **Shared** from the **Authentication Type**'s drop-down list.
   - Then select **WEP** from **Encryption**'s drop-down list.
   - **WEP Key**: Type a character string into the field.
     - For 64-bit enter 5 alphanumeric or 10 hexadecimal characters.
     - For 128-bit enter 13 alphanumeric or 26 hexadecimal characters.
   - Click on the OK button to save the changes.

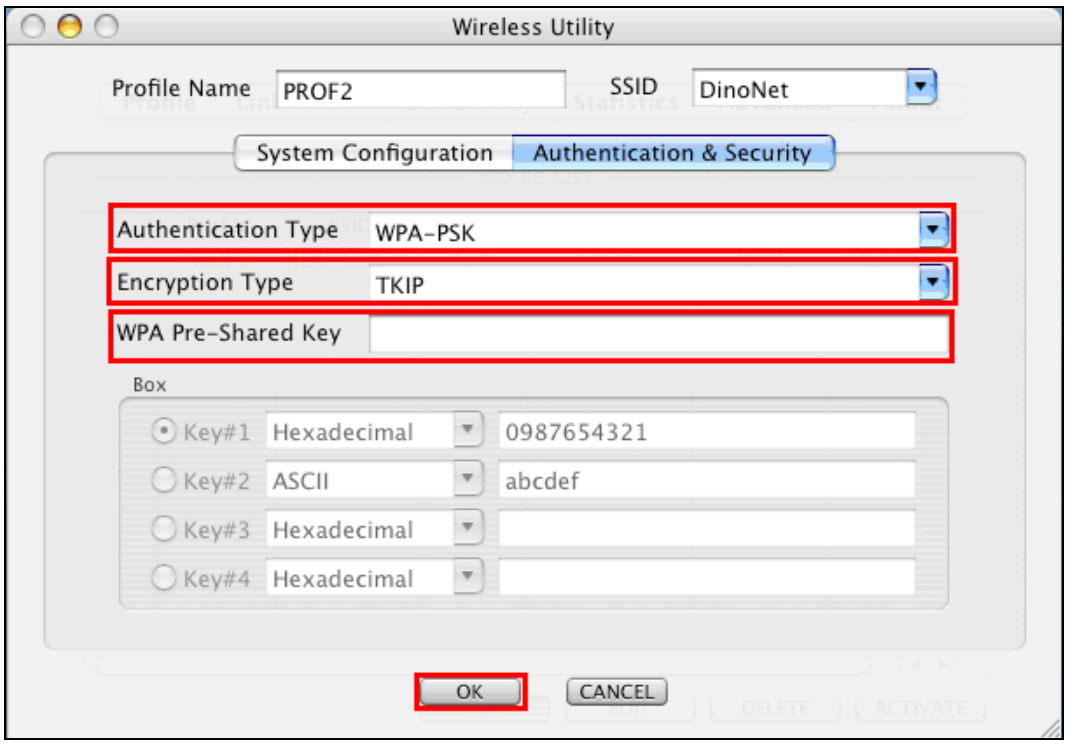


Figure 3-16

6. For **WPA** or **WPA2**, please select from **Authentication**'s drop-down list.
   - Select **TKIP** or **AES** from **Encryption**'s drop-down list.
   - **WPA Preshared key**: Enter a pass phrase which is between 8 and 32 characters long.
   - Click on the **OK** button to save the changes.
   - Show **Password** check box. If you want to make sure the accuracy of password you type, click the Show Password box to check it.

Congratulations! You've successfully configured your wireless adapter and connected to a wireless network!